

SAFETY DATA SHEET

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1. IDENTIFICATION

Product identifier

Product Name Enviro-Safe

Other means of identification

Product Code(s) 218

(M)SDS Number 1332224

Recommended use of the chemical and restrictions on use

Recommended Use For industrial use only

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Identification Jet-Lube LLC

Address Jet Lube LLC

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1-800-699-6318

Number

Emergency Telephone Number CHEMTREC: +1-703-527-3887 (INTERNATIONAL)

1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

Classification

Acute toxicity - Oral Category 4



www.ReinhardOil.dk - T: +45 70267007

Appearance Black

Physical state Paste / Gel

Odor Petroleum

GHS Label elements, including precautionary statements

Warning

Hazard statements Harmful if swallowed



Precautionary Statements - Prevention

Wash hands thoroughly after handling Do not eat, drink or smoke when using this product

Ingestion
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

May be harmful if swallowed

Unknown acute toxicity

39.8 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable.

<u>Mixture</u>

Chemical Name	CAS-No	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Lubricating greases A complex combination of hydrocarbons having carbon numbers predominantly in the range of C12 through C50. may contain organic salts of alkali metals, alkaline earth metals, etc.		50-55	-	-



Graphite	7782-42-5	20-25	-	-
Mica	12001-26-2	10-15	-	-
Copper	7440-50-8	1-5	-	-
Molybdenum (IV) sulfide	1317-33-5	1-5	-	-
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based, high-viscosity	72623-85-9	1-5	-	-
Polytetrafluoroethylene	9002-84-0	1-4	-	=
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	1-4	-	-

4. FIRST AID MEASURES

First aid measures

General advice IF exposed or concerned: Get medical advice/attention.

Inhalation Remove to fresh air.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

Skin contact Wash skin with soap and water.

Ingestion Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

surrounding environment.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the

chemical

No information available.

Hazardous Combustion Products Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

Special protective equipment for

fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES



Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

Other Information Refer to protective measures listed in Sections 7 and 8.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled

containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with

skin, eyes or clothing.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

Chemical Name	ACGIH TLV OSHA PEL		NIOSH IDLH
Graphite	TWA: 2 mg/m³ respirable	TWA: 15 mg/m³ total dust	IDLH: 1250 mg/m ³
7782-42-5	particulate matter all forms	synthetic	TWA: 2.5 mg/m³ respirable
	except graphite fibers	TWA: 5 mg/m³ respirable	dust
		fraction synthetic	
		(vacated) TWA: 2.5 mg/m ³	
		respirable dust natural	
		(vacated) TWA: 10 mg/m³ total	
		dust synthetic	
		(vacated) TWA: 5 mg/m ³	
		respirable fraction synthetic	
		TWA: 15 mppcf natural	
Mica	TWA: 3 mg/m ³	TWA: 20 mppcf (<1% crystalline	
12001-26-2		silica)	<1% quartz
		3 mg/m³ (vacated)	TWA: 3 mg/m³ respirable dust
Copper	TWA: 0.2 mg/m ³ fume	TWA: 0.1 mg/m³ fume	IDLH: 100 mg/m ³ dust, fume
7440-50-8		TWA: 1 mg/m³ dust and mist	and mist
		(vacated) TWA: 0.1 mg/m³ Cu	TWA: 1 mg/m ³ dust and mist



				dust	, fume, mist	T	WA: 0.1 mg/m³ fume
Molybdenum (IV) sulfi 1317-33-5	Molybdenum (IV) sulfide 1317-33-5 TWA: 10 mg/m³ Mo inhalable particulate matter TWA: 3 mg/m³ Mo respirable particulate matter		TWA: 15 mg/m³ total dust (vacated) TWA: 10 mg/m³ Mo		I	IDLH: 5000 mg/m ³ Mo	
Chemical Name		Alberta	British C	olumbia	Ontario TWAE	V	Quebec
Graphite 7782-42-5	-	ΓWA: 2 mg/m³	TWA: 2	2 mg/m³	TWA: 2 mg/m ²	3	TWA: 2 mg/m ³
Mica 12001-26-2	-	ΓWA: 3 mg/m³	TWA: 3	3 mg/m ³	TWA: 3 mg/m ²	3	TWA: 3 mg/m ³
Copper		WA: 0.2 mg/m ³		mg/m³	TWA: 0.2 mg/n		TWA: 0.2 mg/m ³
7440-50-8		ΓWA: 1 mg/m³		2 mg/m³	TWA: 1 mg/m ³		TWA: 1 mg/m ³
Molybdenum (IV) sulfide 1317-33-5		WA: 10 mg/m³ FWA: 3 mg/m³		3 mg/m³ 0 mg/m³	TWA: 10 mg/m TWA: 3 mg/m ²		TWA: 10 mg/m ³
Polytetrafluoroethylene 9002-84-0						·	TWA: 2.5 mg/m ³

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962

(11th Cir., 1992). See section 15 for national exposure control parameters.

Appropriate engineering controls

Engineering controls Showers

Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protectionNo special protective equipment required.

Hand protection Wear suitable gloves.

Skin and body protectionWear suitable protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are

exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or

smoke when using this product. Wash hands before breaks and immediately after handling

the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical state Paste / Gel Appearance Black Odor Petroleum

ColorNo information availableOdor ThresholdNo information available

Property Values Remarks Method

pH

Melting / freezing point No data available None known Boiling point / boiling range No data available None known **Flash Point** No data available None known **Evaporation Rate** No data available None known Flammability (solid, gas) No data available None known Flammability Limit in Air None known

Upper flammability limit No data available



Lower flammability limit No data available

Vapor pressureNo data availableNone knownVapor densityNo data availableNone known

Relative density 1.10

Water Solubility Insoluble in water

Solubility(ies) No data available None known Partition coefficient: n-octanol/water No data available None known Autoignition temperature No data available None known **Decomposition temperature** No data available None known No data available Kinematic viscosity None known No data available **Dynamic viscosity** None known

Explosive properties No information available Oxidizing properties No information available

Other Information

Softening Point
Molecular Weight
VOC Content (%)
Liquid Density
Bulk Density
Particle Size
Particle Size
No information available

10. STABILITY AND REACTIVITY

Reactivity No information available.

Chemical stability Stable under normal conditions.

Possibility of Hazardous Reactions None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to avoid None known based on information supplied.

Incompatible materialsNone known based on information supplied.

Hazardous Decomposition Products Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available.

Skin contact Specific test data for the substance or mixture is not available.

Ingestion May be harmful if swallowed.

Information on toxicological effects

Symptoms No information available.



Numerical measures of toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 2,314.30 mg/kg

Unknown acute toxicity Component Information

39.8 % of the mixture consists of ingredient(s) of unknown toxicity

Chemical Name	LD50 Oral	LD50 Dermal	Inhalation LC50
Lubricating greases A complex	= 2280 mg/kg (Rat)		
combination of hydrocarbons			
having carbon numbers			
predominantly in the range of			
C12 through C50. may contain			
organic salts of alkali metals,			
alkaline earth metals, etc.			
Molybdenum (IV) sulfide			> 2820 mg/m³ (Rat) 4 h
Lubricating oils, petroleum,	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 2.18 mg/L (Rat) 4 h
C20-50, hydrotreated neutral			
oil-based, high-viscosity			
Polytetrafluoroethylene			= 45 mg/m ³ (Rat) 30 min
Petroleum distillates,	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	
hydrotreated heavy naphthenic			

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritationNo information available.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitization No information available

Germ cell mutagenicity No information available.

Carcinogenicity Classification based on data available for ingredients.

our onrogomenty	Olacollication	or migroutorito.		
Chemical Name	ACGIH	IARC	NTP	OSHA
Polytetrafluoroethylene 9002-84-0	-	Group 3	-	-

Legend

IARC (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

12. ECOLOGICAL INFORMATION

Marine Pollutant This product contains a chemical which is listed as a severe marine pollutant according to

DOT

Ecotoxicity Very toxic to aquatic life with long lasting effects.



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Chemical Name Toxicity to Algae Toxicity to Fish Toxicity to Daphnia Magna (Water Microorganisms Flea) Lubricating greases A >1001 mg/l96h LC50: > 2000 mg/L complex combination of (Salmo gairdneri) hydrocarbons having carbon numbers predominantly in the range of C12 through C50. may contain organic salts of alkali metals, alkaline earth metals, etc. Copper EC50 96 h: 0.031 -LC50 96 h: 0.0068 -EC50 48 h: = 0.03 mg/LStatic (Daphnia magna) 0.054 mg/L static 0.0156 mg/L (Pseudokirchneriella (Pimephales promelas) LC50 96 h: < 0.3 mg/L subcapitata) EC50 72 h: 0.0426 static (Pimephales promelas) 0.0535 mg/L static (Pseudokirchneriella LC50 96 h: = 0.052 mg/L subcapitata) flow-through (Oncorhynchus mykiss) LC50 96 h: = 0.112 mg/Lflow-through (Poecilia reticulata) LC50 96 h: = 0.2 mg/Lflow-through (Pimephales promelas) LC50 96 h: = 0.3 mg/Lsemi-static (Cyprinus carpio) LC50 96 h: = 0.8 mg/Lstatic (Cyprinus carpio) LC50 96 h: = 1.25 mg/L static (Lepomis macrochirus) 48h EC50: > 1000 mg/L Lubricating oils, 96h LC50: > 5000 mg/L

Persistence and Degradability No information available.

Bioaccumulation There is no data for this product.

Chemical Name	Log Pow
Petroleum distillates, hydrotreated heavy naphthenic	>6

(Oncorhynchus mykiss)

96h LC50: > 5000 mg/L

(Oncorhynchus mykiss)

Mobility No information available.

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

petroleum, C20-50,

hydrotreated neutral oil-based, high-viscosity

Petroleum distillates,

hydrotreated heavy

naphthenic

Waste from residues/unused Dispose of in accordance with local regulations. Dispose of waste in accordance with



48h EC50: > 1000 mg/L

products environmental legislation.

Contaminated packaging Do not reuse empty containers.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste	
Copper	Toxic	
7440-50-8		

14. TRANSPORT INFORMATION

DOT

UN-No. UN3082

Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.*

Hazard Class 9
Packing Group III

Marine Pollutant This product contains a chemical which is listed as a severe marine pollutant according to

DOT

Description UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.*, 9, III

TDG

UN Number UN3082

Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.*

Hazard Class (select) 9
Packing Group (select) III

Marine Pollutant This product contains a chemical which is listed as a severe marine pollutant according to

TDG.

Description UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.*, 9, III

MEX

UN-No. UN3082

Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.*

Hazard Class 9
Packing Group

Description UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.*, 9, III

ICAO

UN-No. UN3082

Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.*

Hazard Class 9
Packing Group III

Description UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.*, 9, III

IATA

UN Number UN3082

Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.*

Hazard Class (select) 9
Packing Group (select) III

Description UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.*, 9, III

IMDG

UN Number UN3082

Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.*

Hazard Class (select) 9
Packing Group (select) |||



EmS-No. F-A, S-F

Marine Pollutant Product is a marine pollutant according to the criteria set by IMDG/IMO

Description UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.*, 9, III

RID

UN-No. UN3082

Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.*

Hazard Class 9
Packing Group III
Classification code M6

Description UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.*, 9, III

ADR/RID-Labels 9

<u>ADR</u>

UN-No. UN3082

Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.*

Hazard Class 9
Packing Group III
Classification code M6

Description UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.*, 9, III

ADN

UN-No. UN3082

Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.*

Hazard Class 9
Packing Group III
Classification code M6

Special Provisions 274, 335, 375, 601

Description UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.*, 9, III

Hazard Labels 9 Limited Quantity 5 L

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

International Inventories

TSCA Complies. DSL/NDSL Complies.

EINECS/ELINCS
Contact supplier for inventory compliance status.
AICS
Contact supplier for inventory compliance status.
Contact supplier for inventory compliance status.

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances



PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS-No	Weight-%	SARA 313 - Threshold Values %
Copper - 7440-50-8	7440-50-8	1-5	1.0

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Copper 7440-50-8		Х	Х	

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Copper	5000 lb		RQ 5000 lb final RQ
7440-50-8			RQ 2270 kg final RQ

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product may contain substances regulated by state right-to-know regulations.

Chemical Name	New Jersey	Massachusett	Pennsylvania	Rhode Island	Illinois
		S			
Graphite	X	X	Х		
7782-42-5					
Mica	X	Х	Х		
12001-26-2					
Copper	X	Х	Х	X	X
7440-50-8					
Molybdenum (IV) sulfide		Х			
1317-33-5					
Polytetrafluoroethylene			Х	Х	
9002-84-0					
Petroleum distillates, hydrotreated heavy					Х



naphthenic 64742-52-5

16. OTHER INFORMATION

NFPA Health hazards 1 Flammability 1 Instability 0 Physical and Chemical

Properties
HMIS Health hazards 1* Flammability 1 Physical hazards 0 Personal Protection X

Chronic Hazard Star Legend *= Chronic Health Hazard

Prepared By Product Stewardship

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Revision Note No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet

